

Promoting cost effective and environmentally responsible uses of information technology, both at home and at work.

State employees are invited to GO GREEN - GET GREEN

The Department of Technology and Information (DTI) has been leading by example - by lowering its energy consumption, reducing waste, and creating a more environmentally friendly computing environment. We want to build upon these Green successes and share them with others within state government. It is with great pleasure that we announce that DTI is launching a statewide Green IT Awareness Campaign. The mission is to inform and unite all that receive a State of Delaware paycheck to make meaningful and lasting changes in our use of information technology (IT).

Please visit our newly launched Green IT Website to find many ideas on how you can **Recycle... Reduce... Reuse...** and **Rethink** information technology. We can tell you how!

Visit our website to get the whole story: www.dti.delaware.gov/greenit

Join The IT Army



Delaware's Department of Technology and Information invites you to join our "Go Green - Get Green" IT Special Forces army of volunteers who will focus on reducing energy consumption, reducing waste, and creating a more environmentally friendly computing environment. Green initiatives can have meaningful rewards for the bottom line and the environment.

Visit our website to find out about a virtual commission in our IT Army:

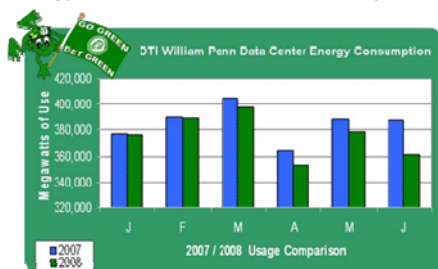


<http://dti.delaware.gov/greenit/information/green-army.shtml>

You can and will make a difference by getting involved in this important initiative.

Green IT— IT PAYS!

Energy Consumption Reduced By 14%



- Adjusted the temperature in the DTI Dover data center by two degrees, reducing HVAC costs.
 - Enabled PC Power Management on all DTI desktops/laptops through automatic scripts. (shuts down PCs when not in use and uses less energy when not active)
 - Eliminated ancillary appliances from DTI.
 - Replacing CRT monitors with LCD monitors.
 - Motion Sensor light switches installed in common areas.
- SAVED 23.7%**

**SAVING ENOUGH ENERGY TO POWER
23.7 AVERAGE HOMES EACH MONTH**

For more information, visit our
website or contact us at
DTI_Green_IT@state.de.us.

Paper Usage Reduced 10%

An awareness campaign is underway within DTI to "think before printing."

- ✓DTI has configured printers for default double side printing.
- ✓DTI has conveniently located recycle bins within the department.
- ✓DTI has identified and developed applications to eliminate paper. (Performance review application for HR)
- ✓DTI encourages other agencies to use the Govolution Shopping Cart application.

Server Virtualization Saves \$\$\$\$\$

Benefits of Virtualization

- Reduction in operating costs

(For 300 servers)	Physical	Virtual
Floor space (Assuming \$2/m ² /month/sq. ft.)	150 sq. ft. (25 racks) \$3,600	12 sq. ft. (2 racks) \$288
Cooling requirements (HVAC tonnage) (Assuming \$0.08/kWh)	8,760 hours/year 42 \$29,434	8,760 hours/year 27 \$18,922
Power requirements (Assuming \$0.08/kWh)	125kW \$105,120	95.4kW \$66,856
Hardware costs	\$3.84MM	\$2.7MM

- Total savings by virtualization: \$1.2MM

After the Virtualization of 54 physical servers, the physical boxes can be powered off, thus saving more than \$92,000 annually on energy costs. For the virtualization of 300 servers, the reduction in operating costs would be \$1.2 Million. Applications will continue to work as designed, the only change occurring is movement from physical hardware to virtualized servers.